

FIG. 1B

FIG. 1A

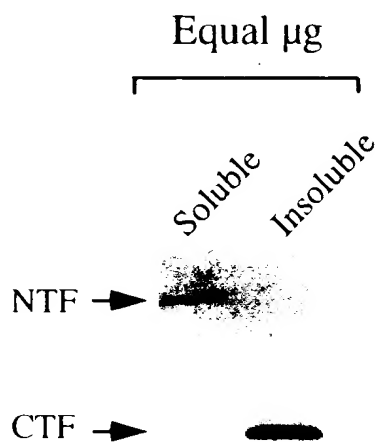


FIG.2A

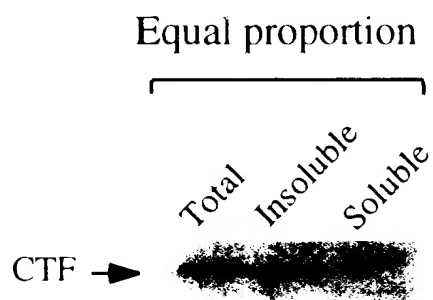


FIG.2B

Appl. No. 09/065,902;; Group Art Unit. 1644  
 Dkt. No. 0609/4270001/JAG/HLK/PSC.;  
 Inventors: TANZI and KIM; Tel: 202/371-2600  
 Title: Purified 20 kDa Presenilin 2 C-Terminal Fragment and Methods  
 of Screening for Compounds That Inhibit Proteolysis of Presenilin 2

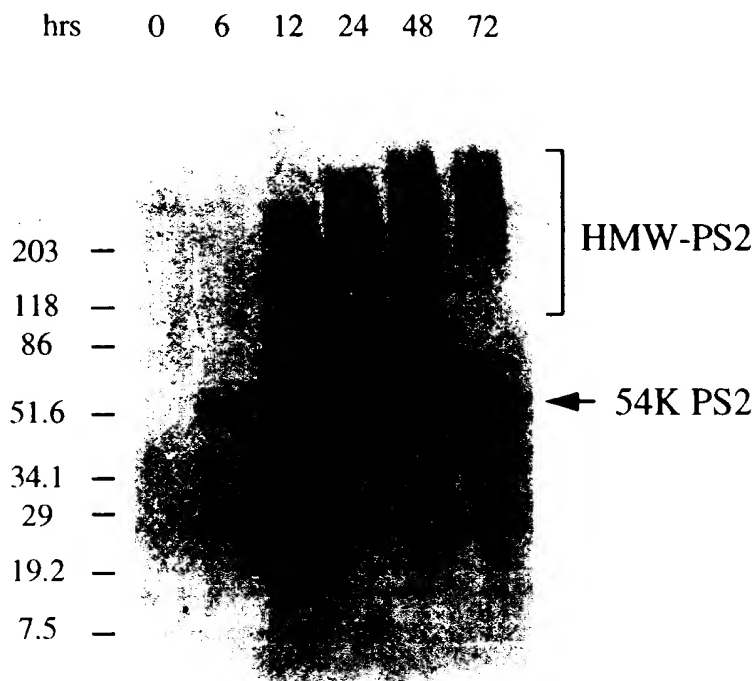


FIG.3A

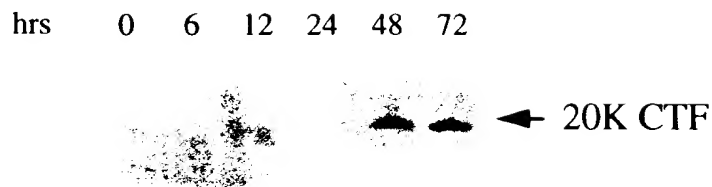
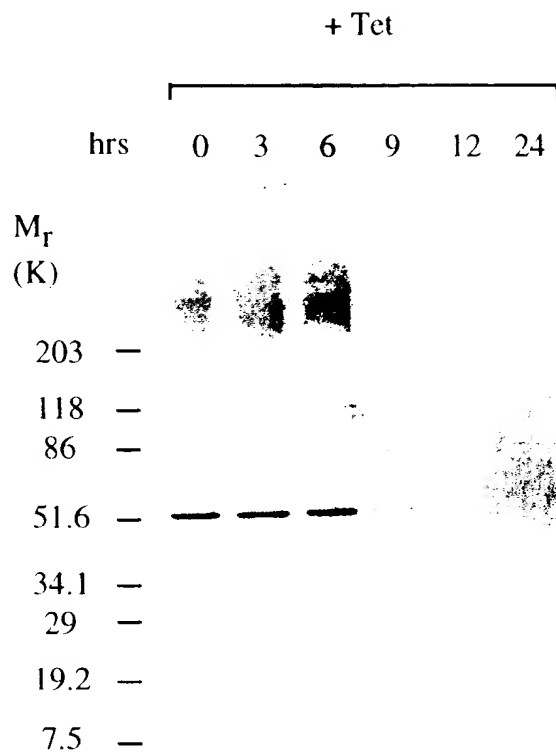


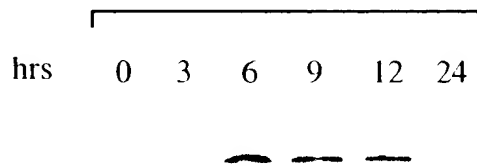
FIG.3B

Appl. No. 09/065,902.; Group Art Unit: 1644  
 Dkt. No. 0609/4270001/JAG/HLK/PSC.;  
 Inventors: TANZI and KIM; Tel: 202/371-2600  
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WT

FIG.4A



WT

FIG.4B

ALLN: - +

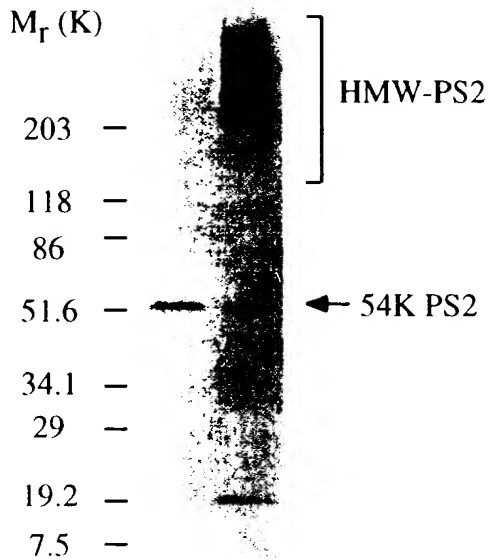


FIG.5A

Lactacystin: - +

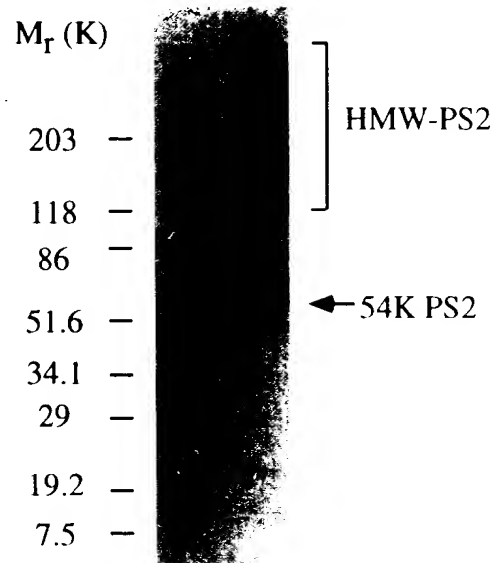


FIG.5A-1

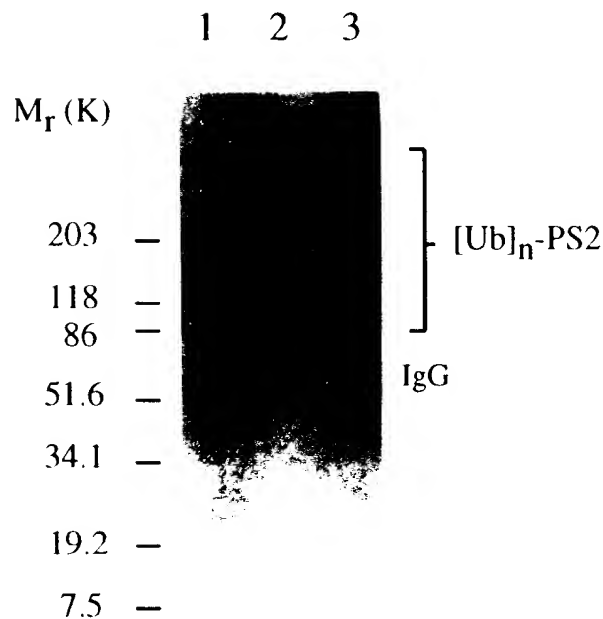


FIG.5B

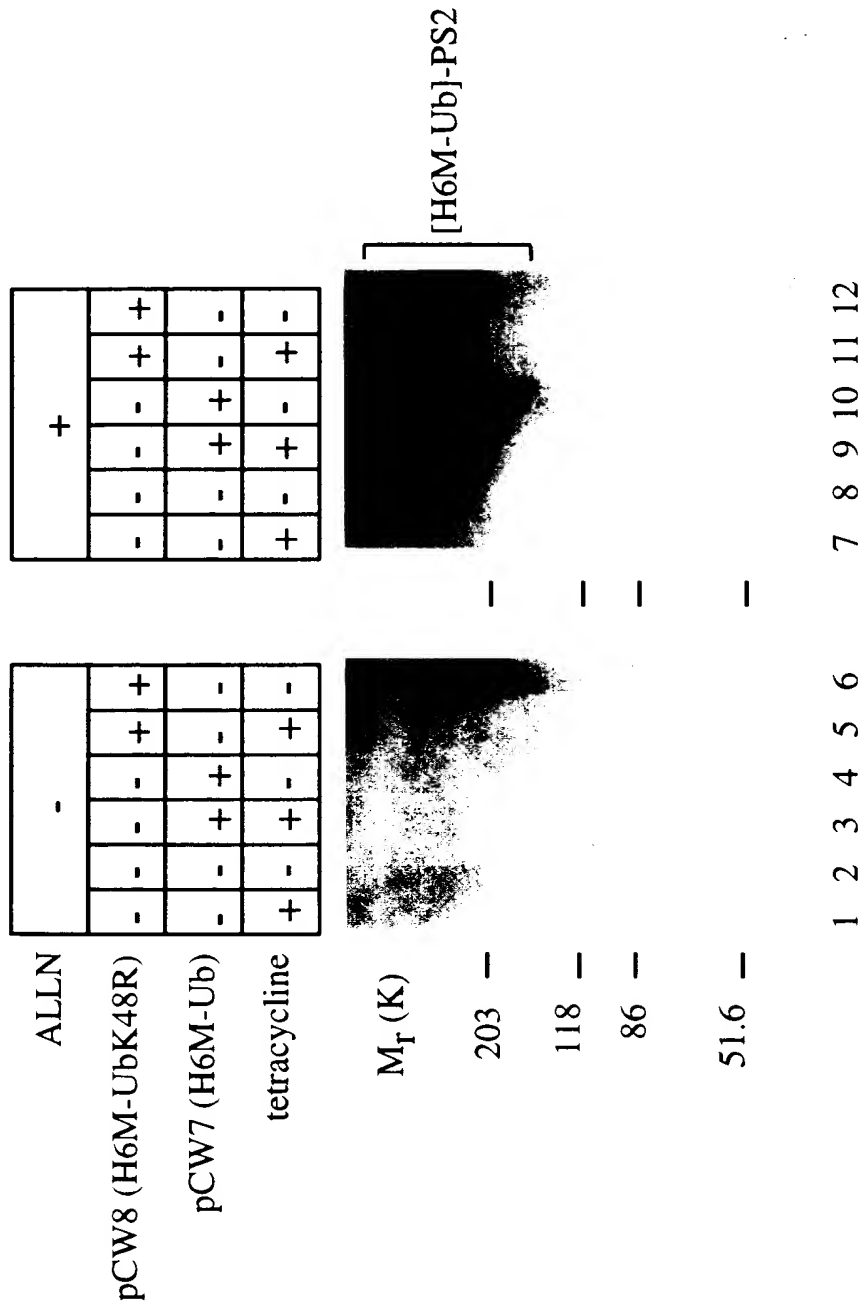


FIG.5C

Appl. No. 09/065,902;; Group Art Unit: 1644  
 Dkt. No. 0609/4270001/JAG/HLK/PSC;;  
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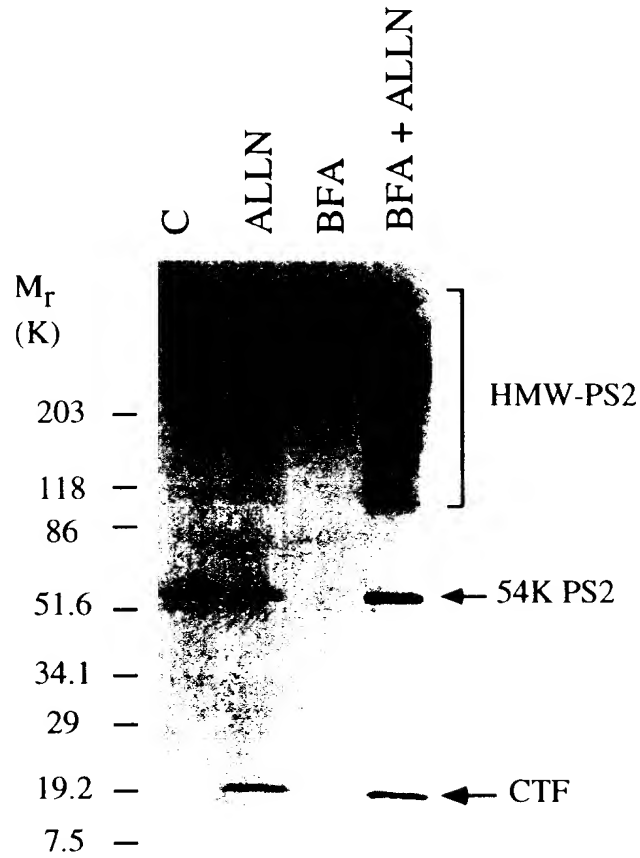


FIG.6

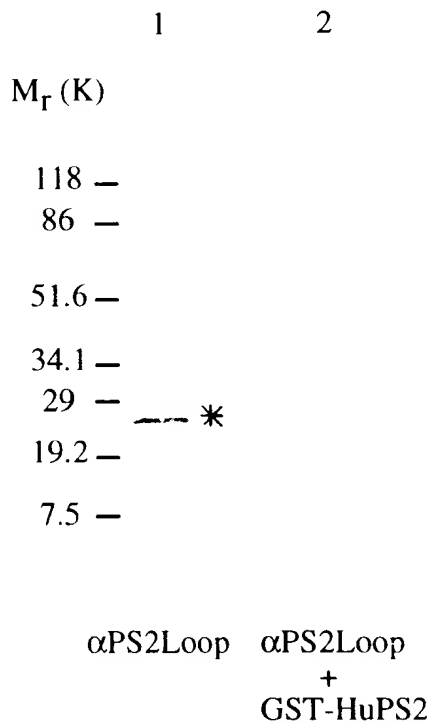


FIG.7A

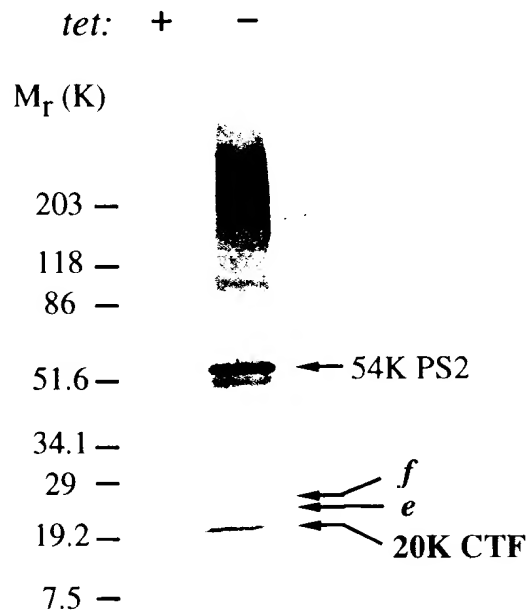


FIG.7B

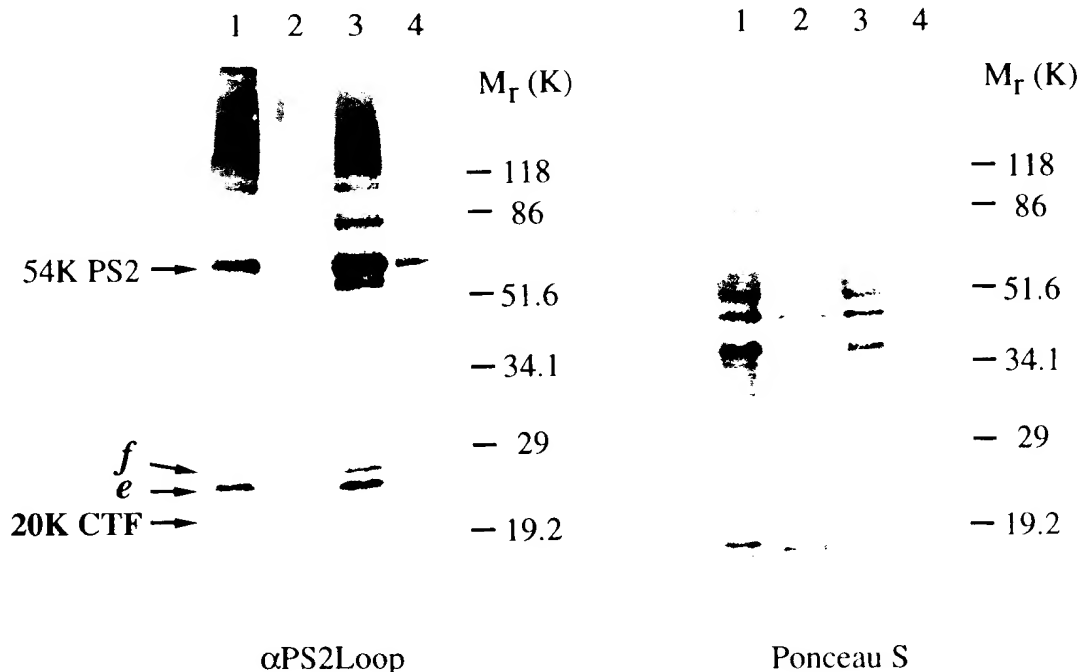
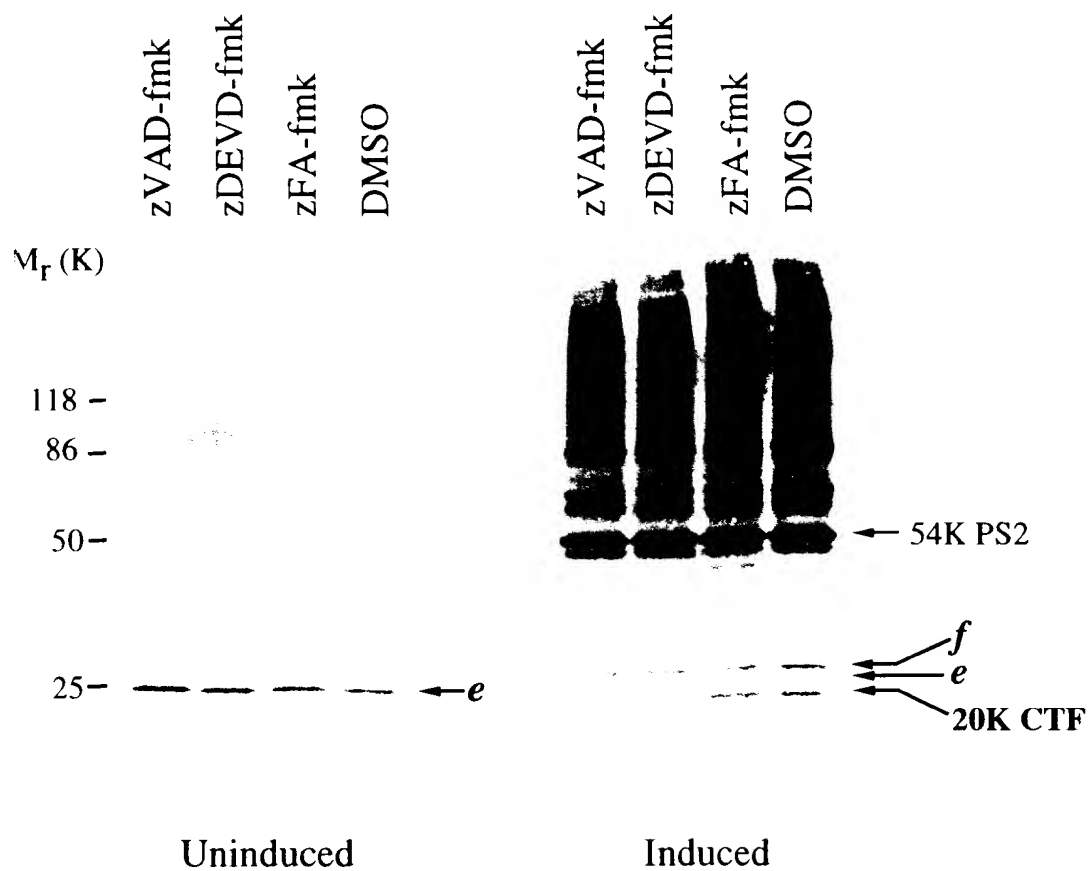


FIG.7C

FIG.7C-1



Appl. No. 09/065,902;; Group Art Unit: 1644  
 Dkt. No. 0609/4270001/JAG/HLK/PSC;;  
 Inventors: TANZI and KIM; Tel: 202/371-2600  
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Uninduced  
 FIG. 7D

Induced  
 FIG. 7D-1

Appl. No. 09/065,902;; Group Art Unit 1644

Dkt. No. 0609/4270001/JAG/HLK/PSC;;

Inventors: TANZI and KIM; Tel: 202/371-2600

Title Purified 20 kDa Presenilin 2 C-Terminal Fragment and Methods of Screening for Compounds That Inhibit Proteolysis of Presenilin 2

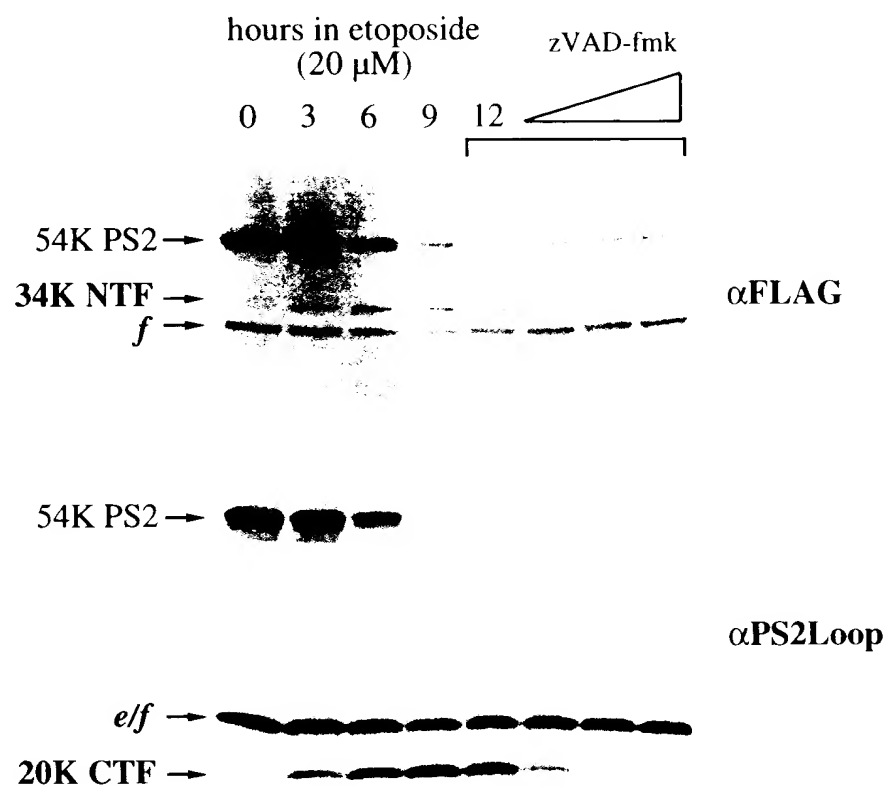


FIG.8

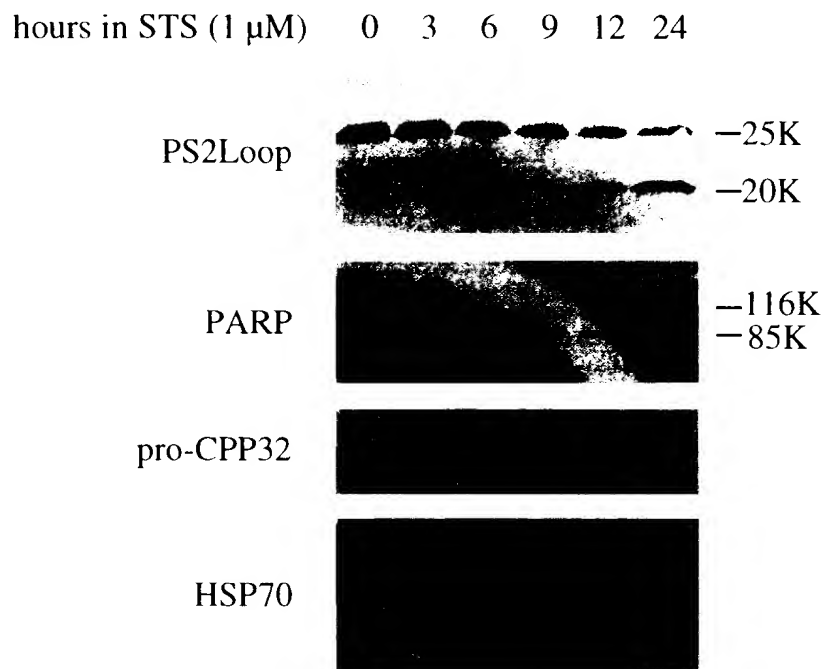


FIG.9A

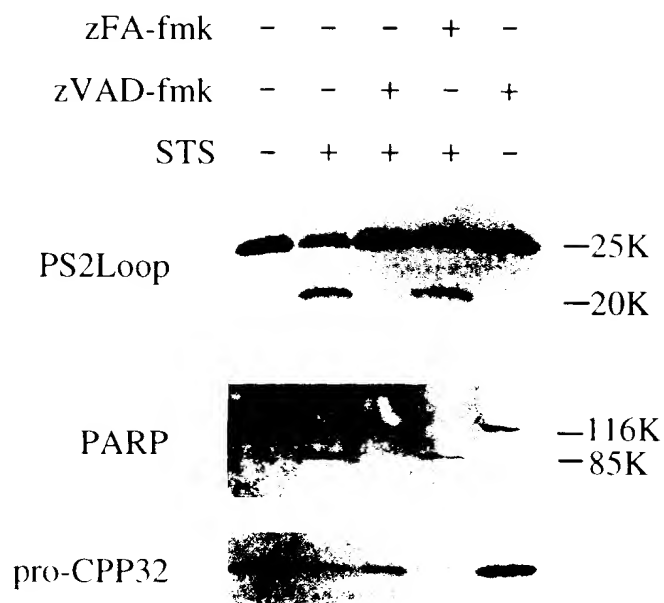


FIG.9B

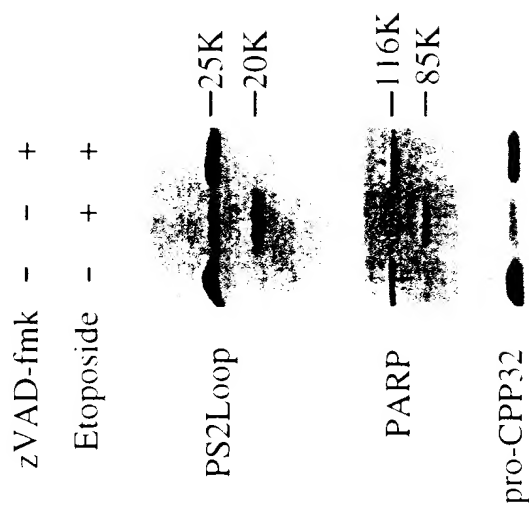


FIG. 9C

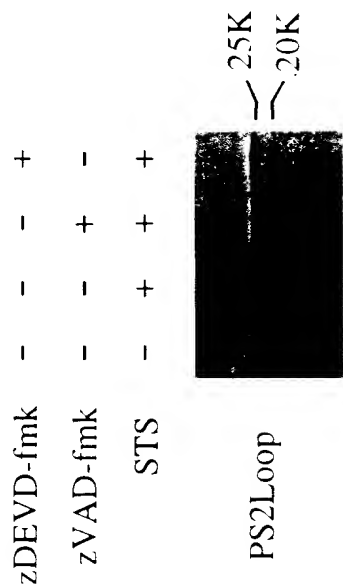


FIG. 9D

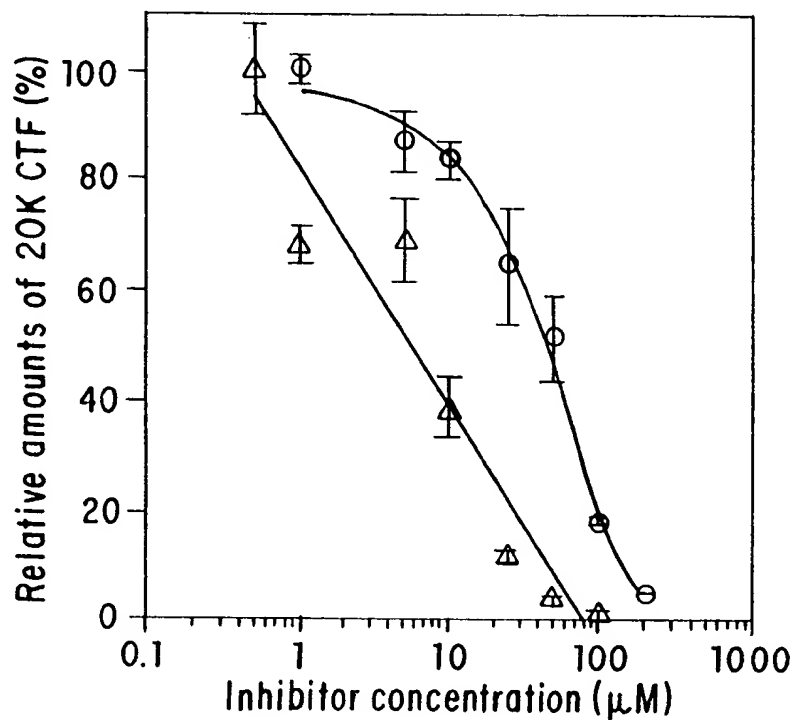


FIG. 9E

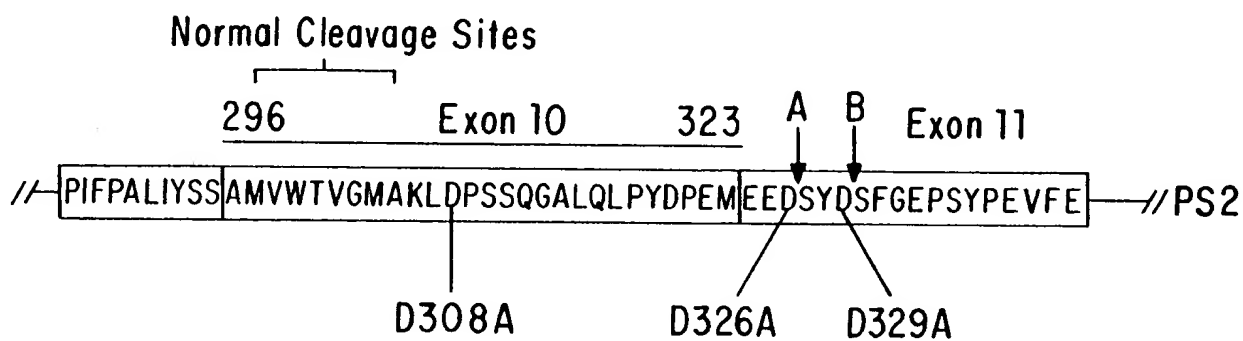


FIG. 10A

Appl. No. 09/065,902,; Group Art Unit: 1644  
 Dkt. No. 0609/4270001/JAG/HLK/PSC, ;  
 Inventors: TANZI and KIM; Tel: 202/371-2600  
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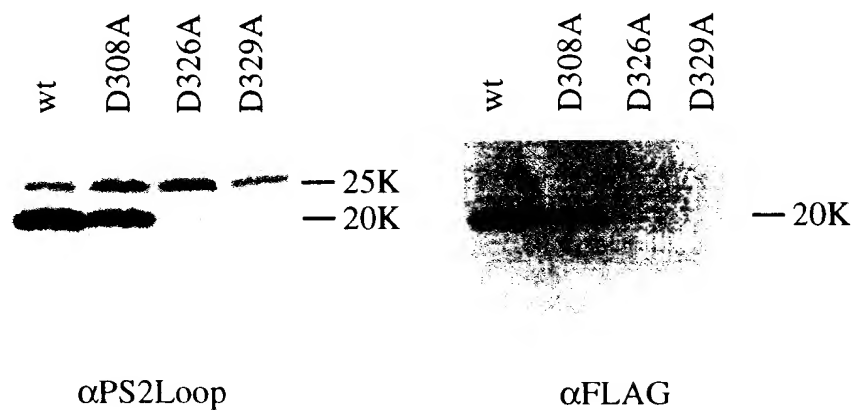
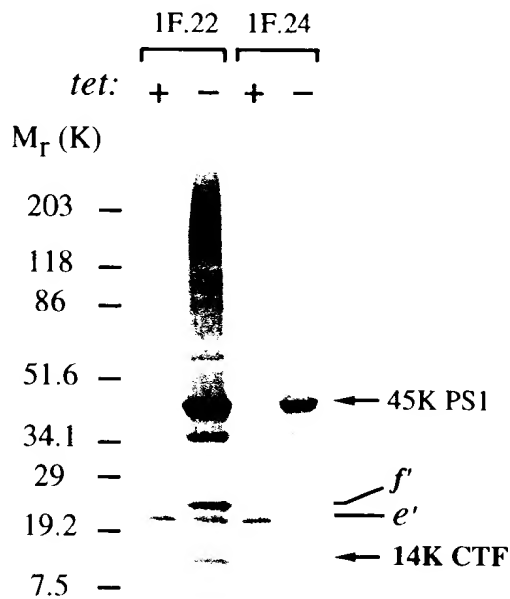


FIG.10B



αPS1Loop

FIG.11A

hours in STS (1 μM)

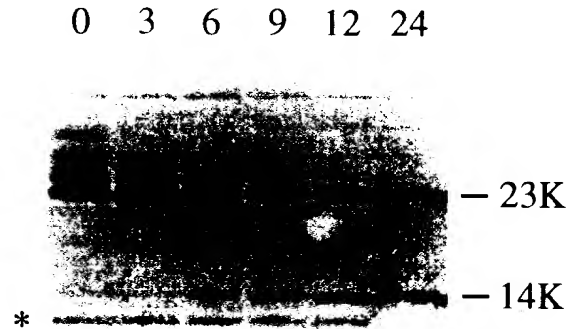


FIG.11B

zFA-fmk	-	-	-	+	-
zVAD-fmk	-	-	+	-	+
STS	-	+	+	+	-

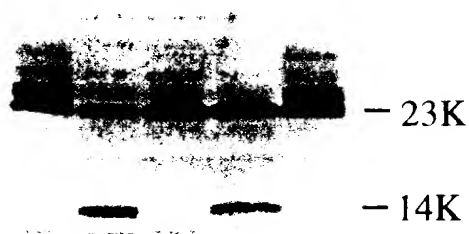


FIG.11C

zVAD-fmk	-	-	+
Etoposide	-	+	+

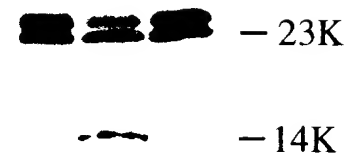


FIG.11D

Appl. No. 09/065,902;; Group Art Unit. 1644  
 Dkt. No. 0609/4270001/JAG/HLK/PSC;;  
 Inventors: TANZI and KIM; Tel: 202/371-2600  
 Title: Purified 20 kDa Presenilin 2 C-Terminal Fragment and Methods  
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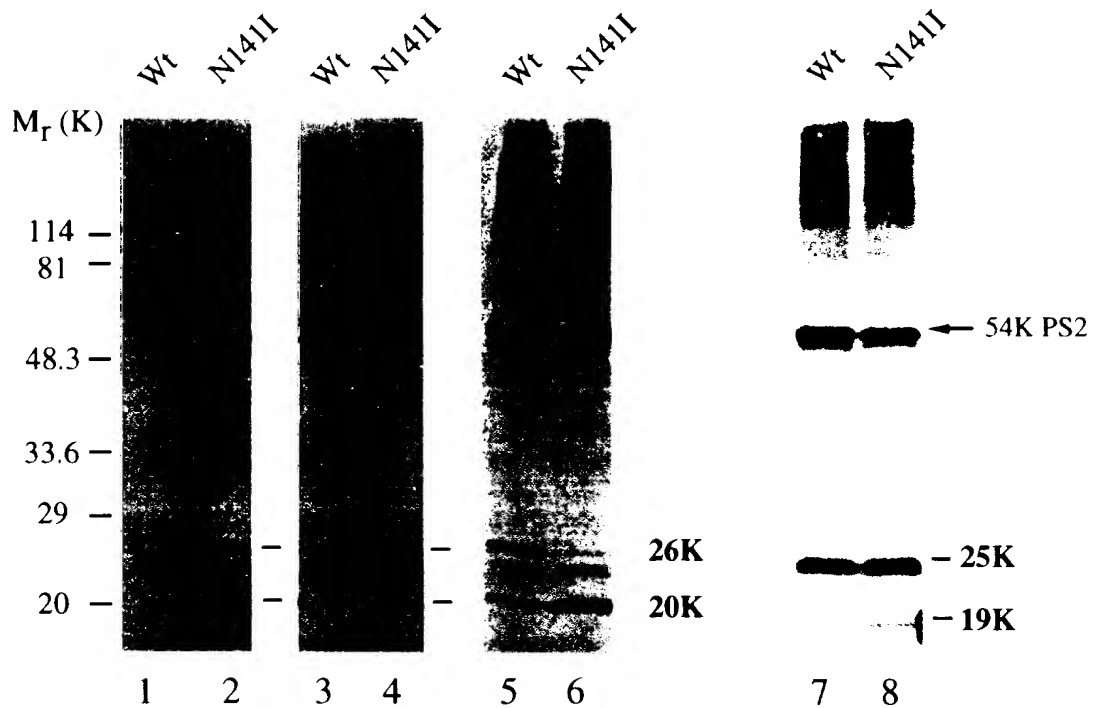


FIG.12A

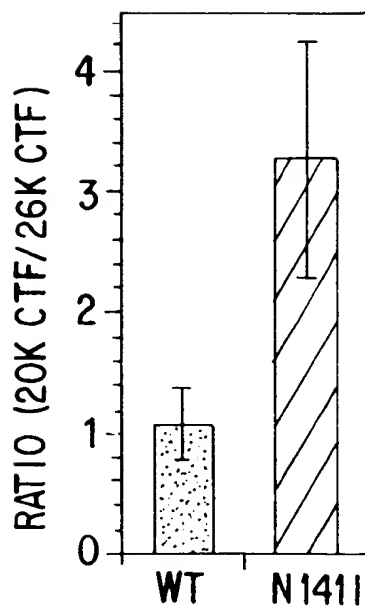


FIG.12B



Establishment of Stable CHO Cell Lines  
 Co-expressing APP and PS2 Containing  
 N141I (Volga German) and D329A (Caspase Clip Site)  
 Mutations

Establishment of Stable CHO Cell Lines  
 Co-expressing APP and PS2 Containing  
 N141I (Volga German) and D329A (Caspase Clip Site)  
 Mutations

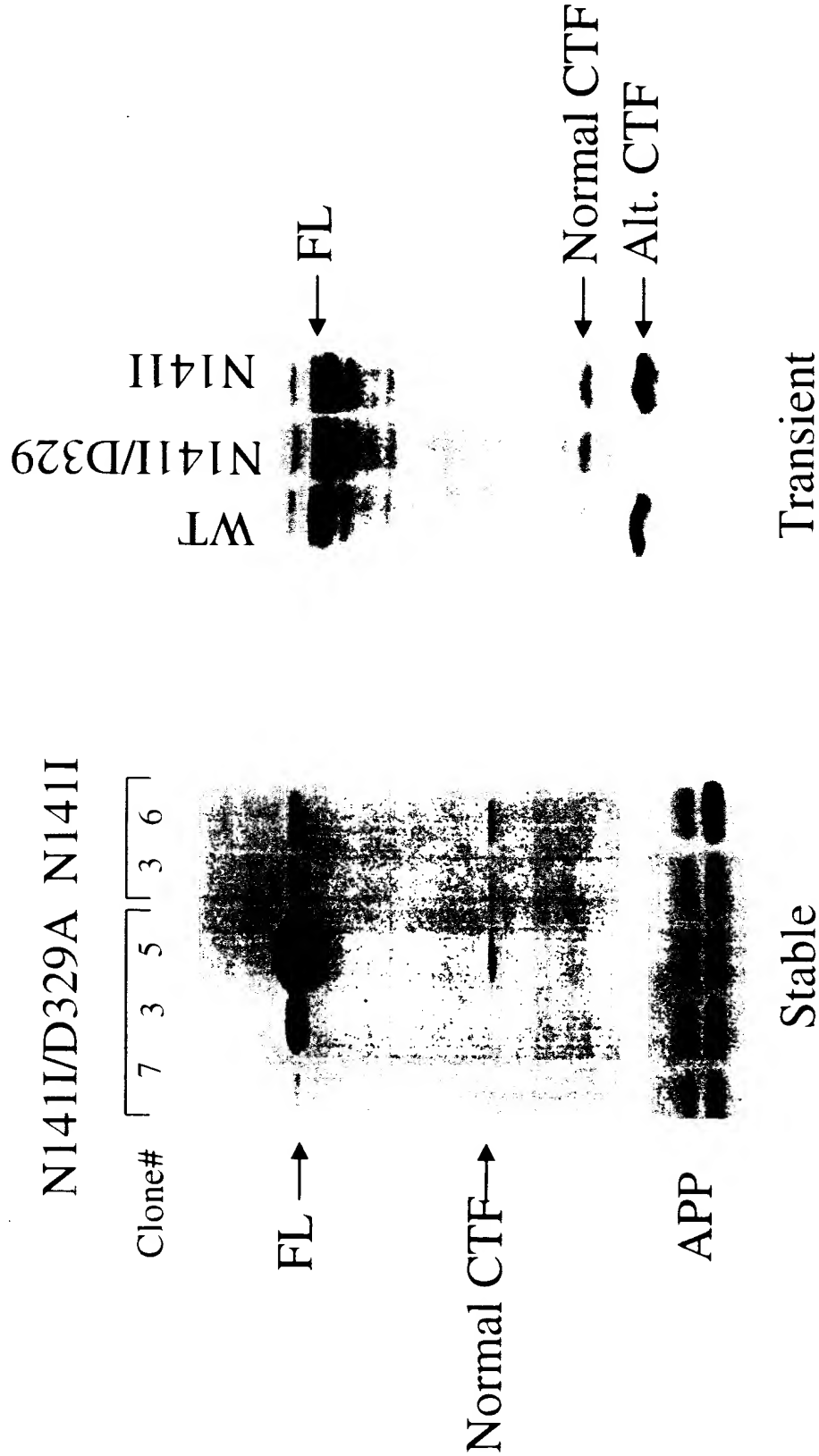


FIG. 13A

FIG. 13B